



PPBCMG18

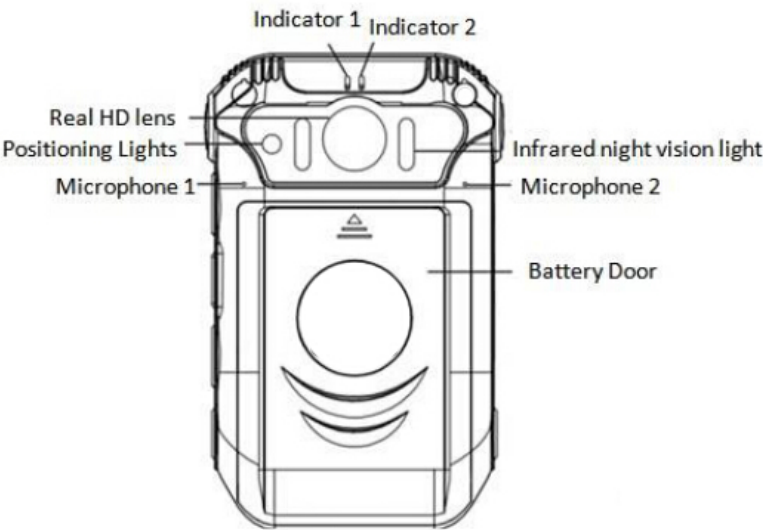
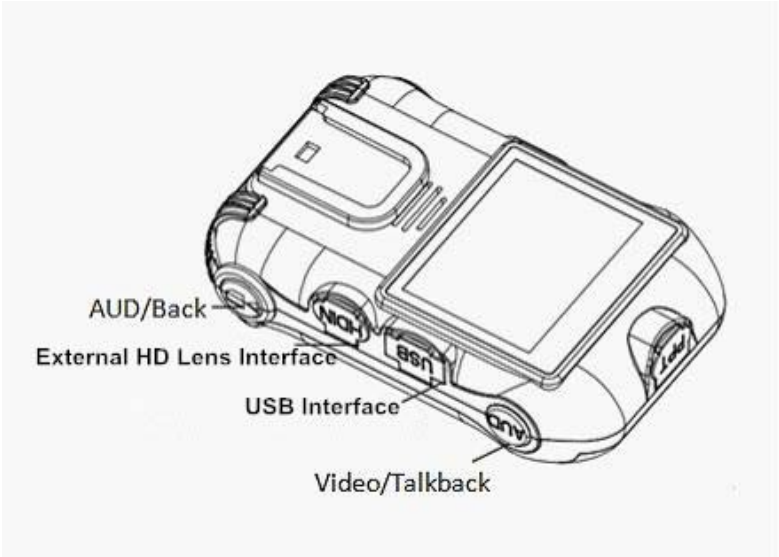
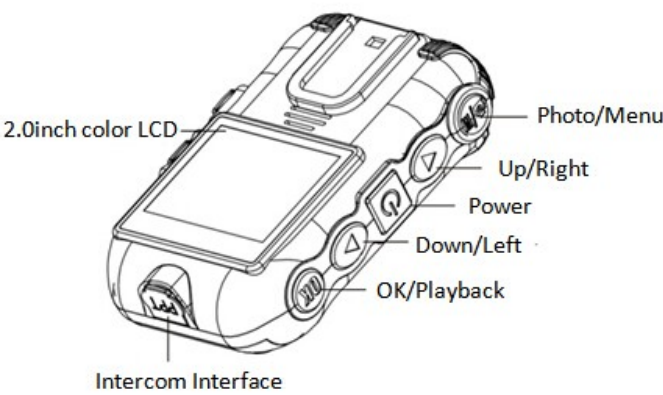
Compact & Portable HD Body Cam

USER MANUAL

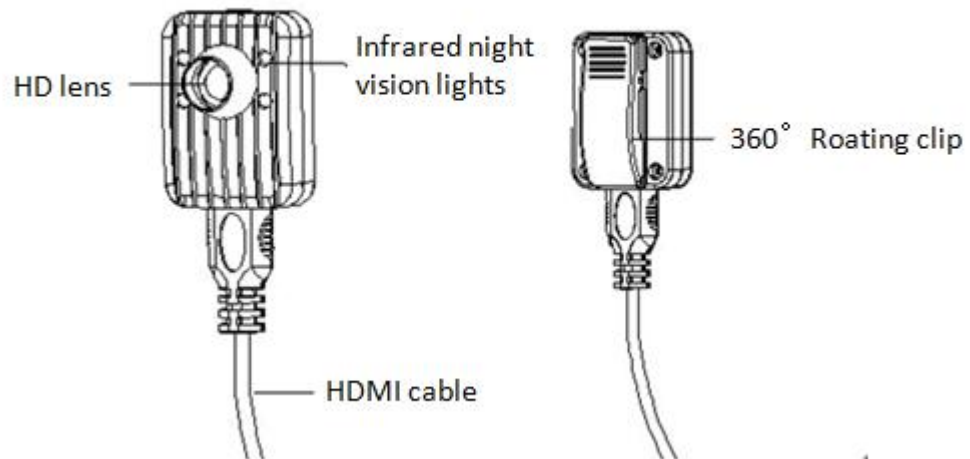
Compact & Portable HD Body Cam

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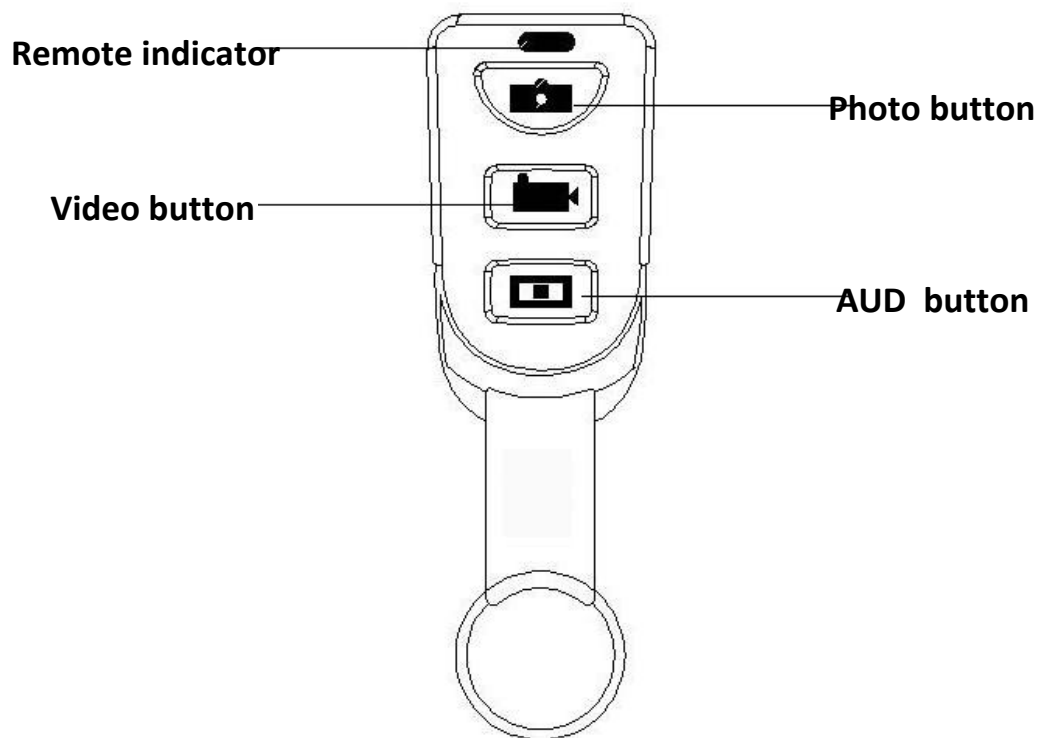
1. Structure Layout



1.2 External lens structure



1.3 Wireless remote control structure



2. Operation

2.1 Power/Laser Function

Press the power button to turn the device on. Press and hold the button to shut the device down. Press the power button once to turn the laser positioning light on/off (while the device is powered on).

2.2 Video Recording

A. In normal display mode, press the "Video" button to record. The upper left corner of the video screen will display a red dot. The indicator will slowly flash a red light. Press this button once to start recording; press it once more to stop recording. The file name will be the date and time (MP4 suffix) and will be stored in the memory card. To view the video, refer to playback section.

B. While recording video, press the "Photo/Menu" button once to capture a photograph; it will continue recording after saving the photo.

2.3 Photo/Menu

In the initial preview screen, press the "Photo/Menu" button to take pictures. The upper left corner of the screen will display the camera icon while taking photos and the camera icon will briefly turn red. The indicator light flashes red once, and is accompanied by a "clicking" picture sound. Each press of this button will shoot a photograph, named with the date and time and JPG suffix (stored in the memory card). To view photos, please check the "View/Playback Video" section.

2.4 AUD/Back

This device can solely record audio as well. In the preview display, press the "Record/Back" button [AUD button] to begin recording. The display shows a "Recording" prompt; press it again to stop recording. The recording will be saved to the memory card with the date and time as the name (WAV suffix). Recordings can be listened to via playback.

2.5 OK/Playback

Press OK to confirm a choice. In Video/Audio playback mode, press the OK button to confirm playback (begin/stop playing the video/audio/photo).

2.6 Up/Right/Screen off/Night vision function

- A. In the settings menu, press the button to move upward or to the right to select
- B. Press the Screen off button once, the display will be off
- C. Long press the night vision button to enter night vision mode, the image will be in black-and-white color.

2.7 Down/Left/Coding/Video Mark function

- A. In the settings menu, press the DOWN/LEFT button to move down or to the left to select.
- B. In standby mode, long press this button and the remote control photo button to code the device with remote control.(Please refer to remote control part)
- C. During video recording, press this button once to mark the video, a yellow lock icon will appear on the display.

Tip: Press and hold means press the button for 2-3 seconds.
Press means touch the button once.

3. Indicators

The indicators in power on mode or standby mode of this device are as the following chart shows. There will be no more description about this in the operation statement.

Action	Indicator 1	Indicator 2
Power on	Green	NO
Video	NO	Flashing red light
Standby	Green	NO
Charging	Red	NO
Full charging	Green	NO
Photo	Green	Red light flashes once
Audio	NO	Flashing yellow light

4. Display

Press the Power button (located in the middle of the right side) and it will enter the normal display scene. In any display state, press and hold the Power button for 3 seconds, and the device will power down.

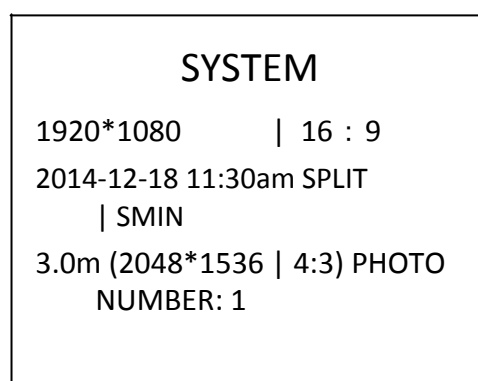


Normal display scene

- Memory card recording time remaining
- State mark. In the video preview state, it is film icon; in the video recording state, it is a red dot; in the photo preview state, it is a camera icon.
- The ID number of the device.
- Displays that there is a memory card in the device.
- Battery level icon.
- Displays the system date and time.
- Displays the remaining storage of the memory card.

5. System settings

Press and hold the Photo/Menu button to enter the System settings. The following screen will appear:



1. Resolution settings: press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose the resolution, then press the OK/Playback button to confirm the choice.
2. Date settings: press the up/down button to choose the date item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the

Down/Minimize button to choose the date, then press the OK/Playback button to confirm the choice.

3. Time settings: press the up/down button to choose the time item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose the time, then press the OK/Playback button to confirm the choice.
4. Video segmentation: press the up/down button to choose the video segmentation length item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose the video segmentation, then press the OK/Playback button to confirm the choice.
5. Photo size settings: press the up/down button to choose the photo size item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose the size (16M/5M/3M), then press the OK/Playback button to confirm the choice.
6. The number of photo/photos: press the up/down button to choose the number of photo/photos item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose the number, then press the OK/Playback button to confirm the choice.
7. Pre-recorded video: press the up/down button to choose the pre-recorded video item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to turn on/off the state, then press the OK/Playback button to confirm the choice.
8. Recorded video extension: press the up/down button to choose the recorded video extension item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to turn on/off the state, then press the OK/Playback button to confirm the choice.
9. ID settings: press the up/down button to choose the ID item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to choose ID, then press the OK/Playback button to confirm the choice.
10. Motion detection: press the up/down button to choose the motion detection item, press the OK/Playback button, the item turns yellow, press the Up/Maximize button or the Down/Minimize button to turn this function on/off, then press the OK/Playback button to confirm the choice.

11. Passwords settings: press the up/down button to choose the passwords settings item.

a. There are two options: User Password, Admin Password.

b. Select the option you prefer, there are three blanks for you to type.

Old password:

New password:

Repeat new password:

c. Fill in with the old passwords right and set new password, then press OK to confirm, press audio button to get back to previous menu.

12. After finishing the settings, press AUD/Back button to exit System settings.

Tip: If you forget the old password, please refer to troubleshooting.

6. View/Playback

While on the default screen, press the "OK/Playback" button to enter the playback menu and view:

1. In the playback menu, press the up or down button to select the desired option (video/photo/audio). The selected item is displayed in yellow.
2. Press the "OK/Playback" button to display all files (video/photo/audio), in this display. Press the up or down buttons to select the desired playback files.
3. Then, press the second "OK/Playback" button twice to play the selected file (video/photo/audio). During playback, press the "OK/Playback" button to stop playback; press this button again to continue playing.
4. During the above operations, press "AUD/ Back" button once to return to the previous menu until the normal display appears.

7. Delete files

Two roles for the camera, one is user, one is admin.

A. User can't delete files.

B. Admin can delete files on device, and can also connect to PC by admin password then delete files.

8. Restart

Because of improper operations or other possible causes, this device may crash or stop responding. There isn't a single-set restart button on this device, but you may remove the battery and it will serve the same function. If this does not work, make sure to contact a customer service representative that can help you with your situation.

9. Connect to PC

1. Connect the camera to PC via USB cable, power on, on camera display.
2. Insert admin password, then camera will connect to PC directly.

10. Install/Remove Clip and battery



1. Installing the Clip: as the above picture shows, push the retainer in the direction of the arrow (1), and then remove by sliding it upward (2).



2. Installation of the battery door: as shown in the above picture, put pressure and press the battery door towards the bottom of the device. You are now free to install the battery. Place the battery door back on the device and slide upward in the opposite direction until it clicks into right place.

11. External Camera

This product is equipped with an external FHD camera, you can choose to use this at your convenience. It will help your recording become easier and more flexible, as you will be able to wear the device in different ways.



Use of external camera:

1. Insert the external camera cable into the machine's external camera input (located on the side).
2. The machine will recognize the external camera and start external camera mode (the machine has both inside and outside automatic camera display; the priority display is the external camera).

12. Remote Control

This device also has a remote control. You can use the remote control as a way of taking pictures and videos easier.

Match the code:

Turn on the device, press and hold the photo button (on the remote) and the down button (on the device) at the same time for about ten seconds (sometimes shorter or longer). Refer to this picture.



13. Battery Charging

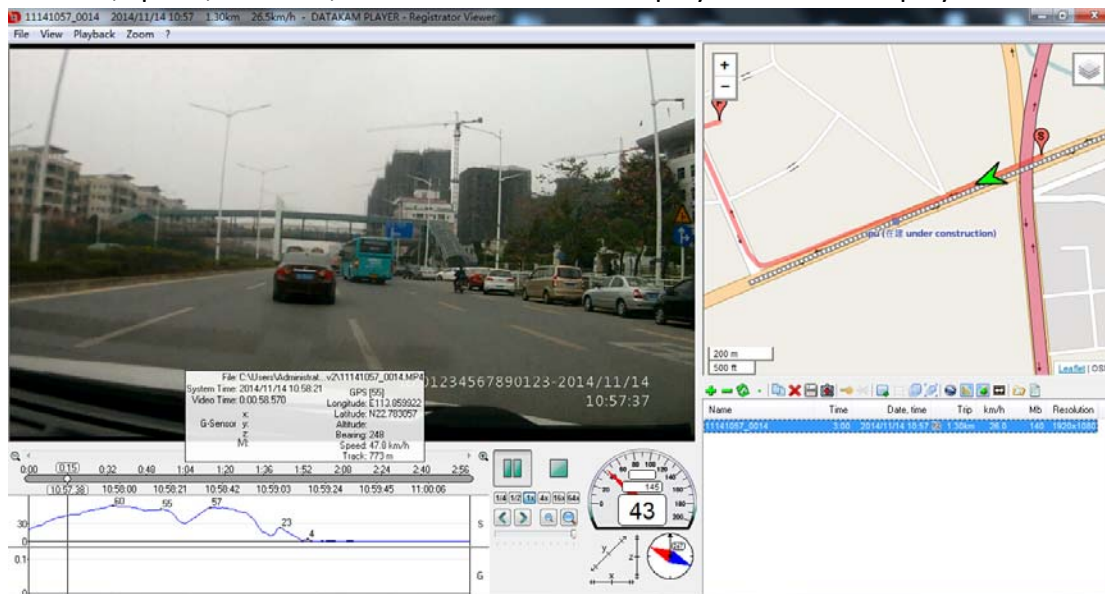
Low Power Display: When the battery charge is too low, the power icon in the upper right corner of the display will become red and start flashing. The device will automatically shut down after five minutes. Please promptly charge the device when the battery is low in order to not affect your usage.

Charge your device in the following three ways:

1. This device is equipped with a replaceable battery. You may remove the battery for charging by using the charging station that was included.
 2. USB data cable with the unit connected to a computer.
- SB data cable with the unit connected to a wall adapter/charging station.

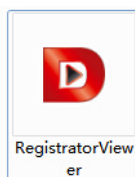
14. GPS playback

PPBCMG18 has built-in GPS, videos recorded while GPS signal is searched will be GPS videos, playback these videos by the GPS player in the CD, you will see detail location, speed, distance, etc. information on the player. The full display like this.

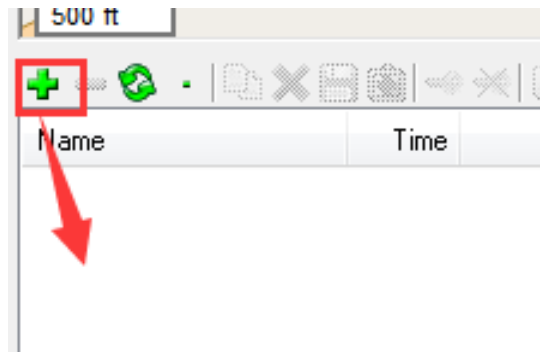


Instructions:

A. Double click the GPS player named as RegistratorViewer.



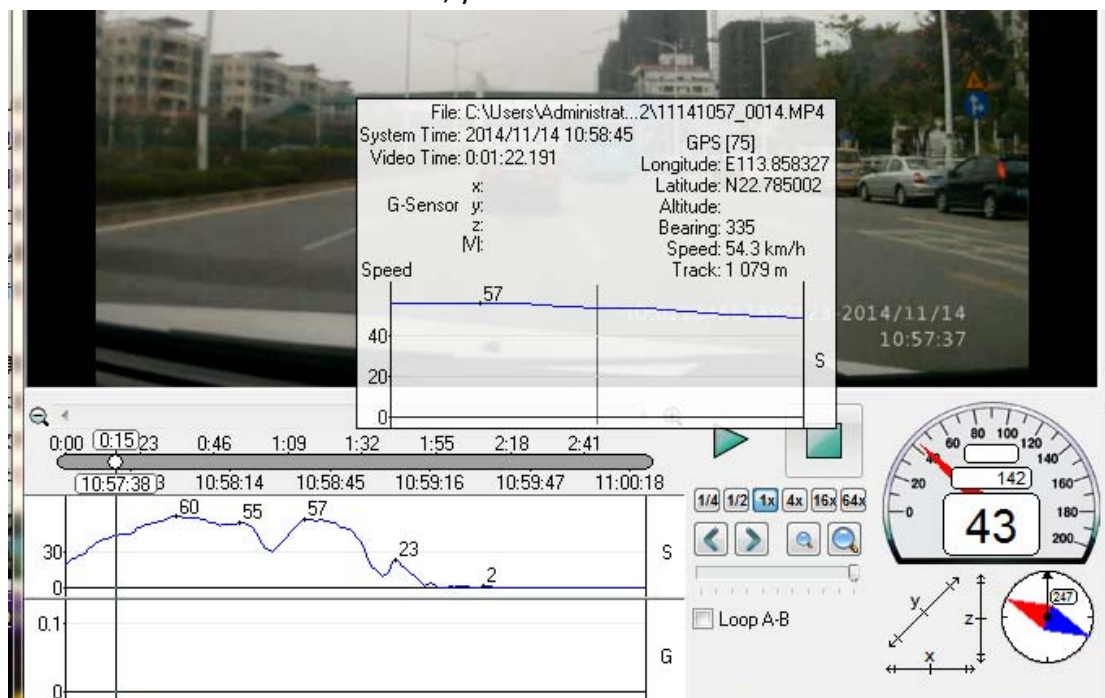
B. Drag the GPS videos you want to playback or add GPS videos by pressing here.



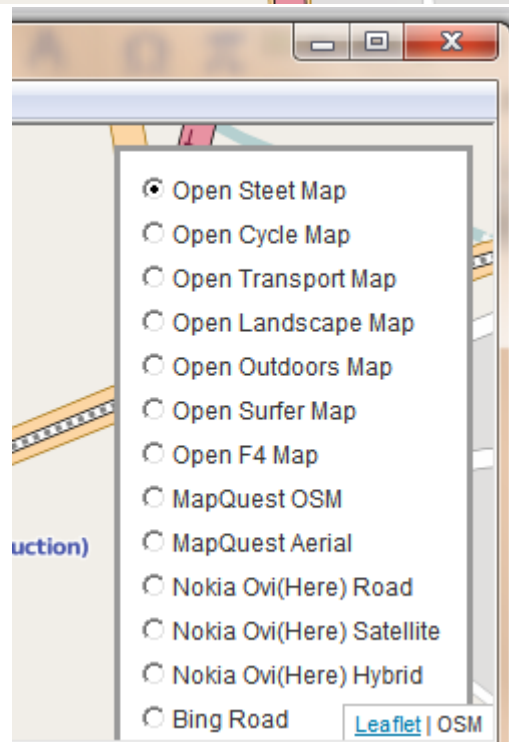
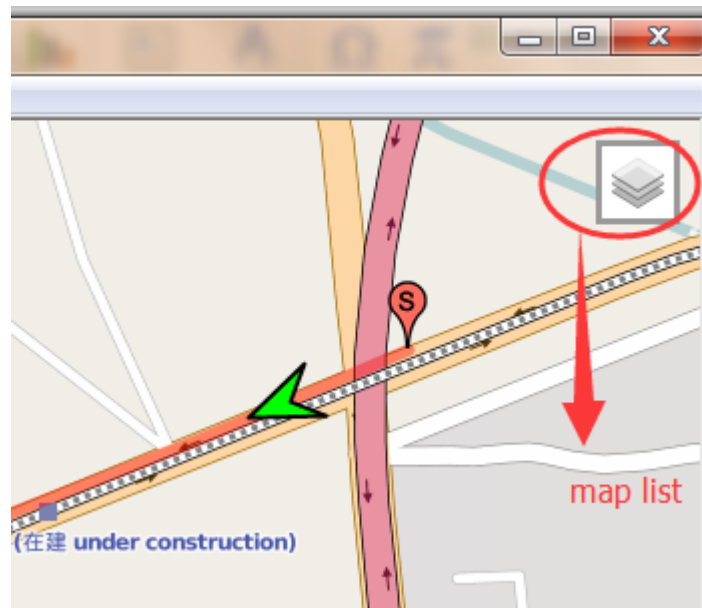
C. You can playback, pause, fast forward, rewind, etc.



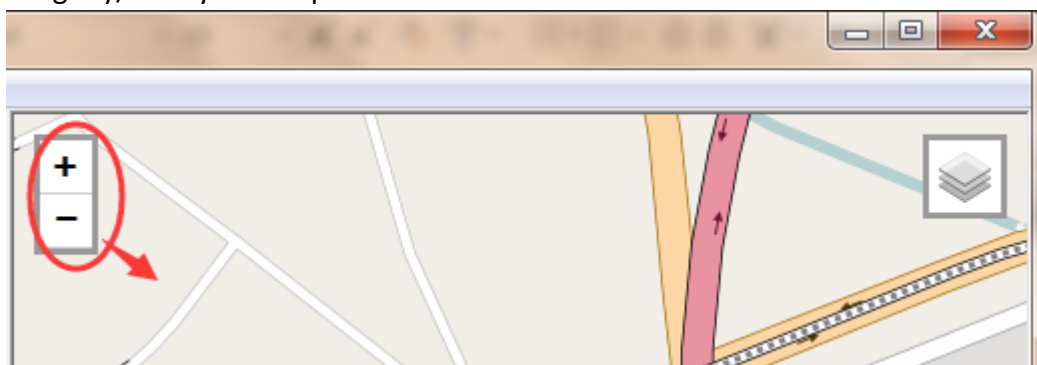
D. Put the mouse on the blue line, you can see the detail information.



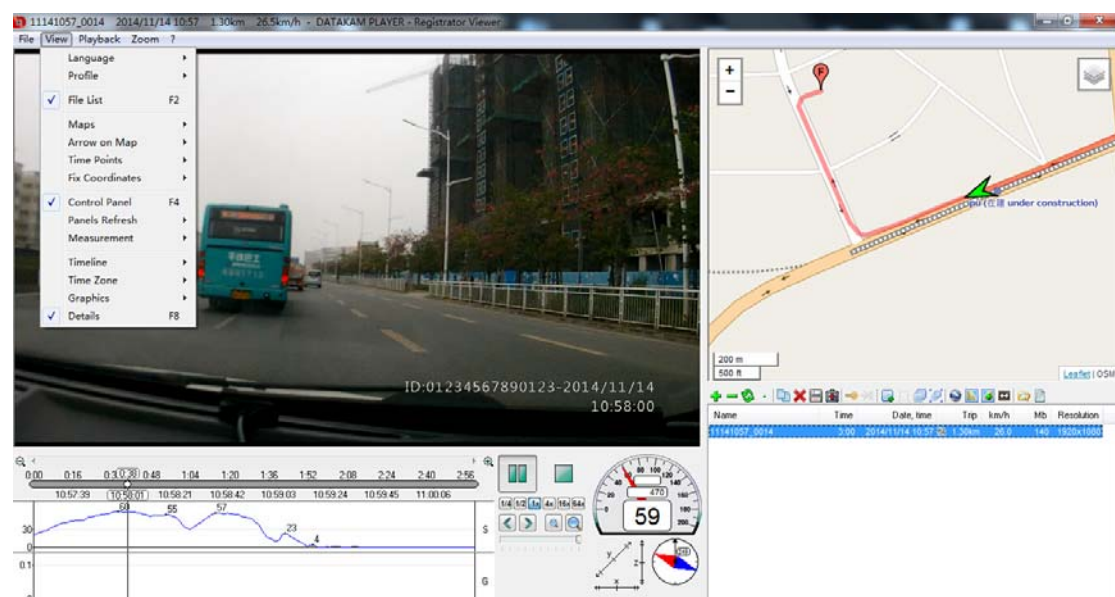
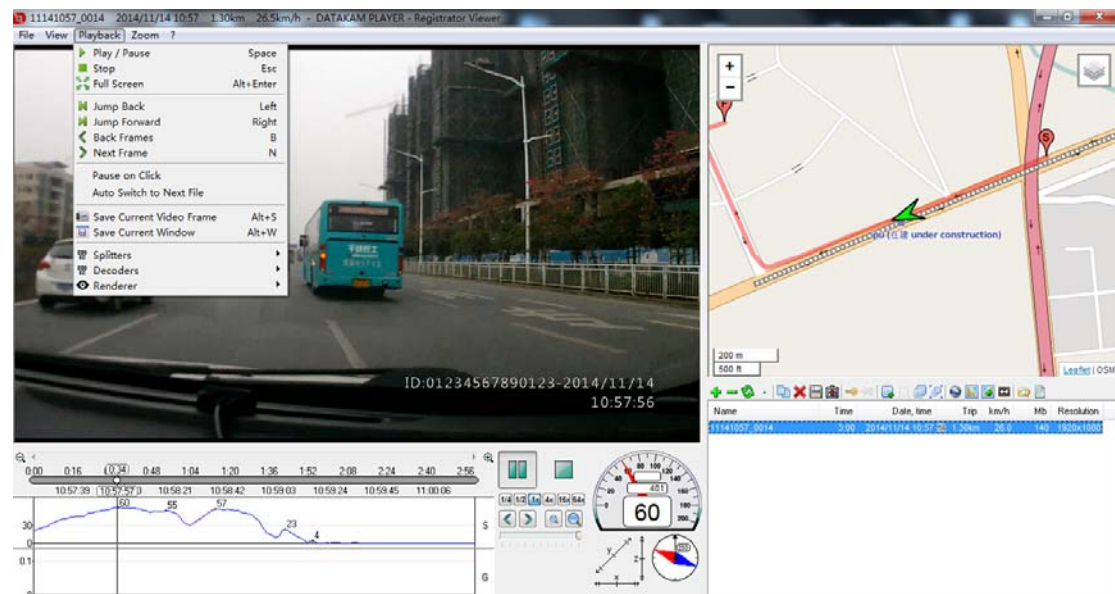
E. Change the map type here.



F. Magnify/Minify the map here.



G. More settings in the map here.



15. Specification

Video Input	Body Built-in Camera res resolution 1920*1080; External Camera resolution 1920*1080
Display	2.0 inch 16:9 TFT LCD 960*240
Lens	Built-in Lens: 1080P HD 120° wide angle; External Lens: 1080P HD 90° wide angle
Focus Range	0.3~ ∞
CMOS	1/2.5" Color CMOS Sensor
Body Size	2.4''×1''×3.9'' (length × width × height)
Photo	JPG file format up to 1600 million pixel camera
Video Camera	Video Format: H.264 compressed format 1920*1080@30fps,1440*1080@30fps,1280*720@60fps
Video Format	MP4
Remote Control	Wireless remote control
Exposure Mode	Auto Exposure
IR night vision	Built-in high-powered infrared light, supports night photography and video; can auto-focus up to 8 meters
Audio	Built-in microphone / speaker
Pickup	64KHZ
Memory	Standard 16GB SD Card recommended (Max 32GB)
Shutter / Shutter Speed	Electronic Shutter 1/2-1/2000s
Filter Switch	Switchable lens filter, suitable for daytime or night use
White Balance	Automatic
USB Interface	Mini USB Interface/USB 2.0
Lithium Battery	Replaceable & rechargeable High-capacity lithium battery; 3.7V 2600mAh (2 pieces)
Operating Temperature	-22°F~131°F / >90%
Operating Current	Power of about 270mAh, video is about 370mAh, screensaver about 230mAh, 420mAh IR to open
Waterproof	IP54
Cable Length	USB cable: 39.4'' GPS: 15.8''-34'' External lens: 30''
Operating System	Windows 98/2000/ME/XP/Windows 7/Windows 8

16. Accessories

- HD Body Cam
- 220V Charger with Dock
- Battery (2600MAH)
- USB cable
- User manual
- 2x Mounting Clips
- External IR HD camera
- Wireless Remote Control
- External microphone

17. Troubleshooting

Device will not turn on; device is not responding

- Please fully charge this device. After a full charge, check the problem again.
- Please check that the charger and the connecting line is normal.
- Please press the reset button to restore the device to factory settings, and then check to the problem;
- If it does not resolve the problem, please contact customer service staff to return the factory repair.

Forget old password

- Please install the assistant software which is in CD in the full kit.(It is better that only admin users have access to the CD and use the software)
- Admin users can reset the User users' passwords to be original password, 00000000(eight zeros) if User users forget their old passwords.
- Admin users can reset their own passwords to be original passwords 00000000(eight zeros) if Admin users forget their old passwords.

Tip: detail instruction is available in the CD.